



THE STATE OF UTAH
OFFICE OF STATE ENGINEER
SALT LAKE CITY

WAYNE D. CRIDDLE
STATE ENGINEER

MEMORANDUM

TO: Judge A. H. Ellett
FROM: Donald C. Norseth, Distribution Engineer
DATE: July 20, 1960
SUBJECT: POT CREEK RECONNAISSANCE AND MATT WARNER SURVEY

In compliance with the request by the Court, Mr. Donald C. Norseth, and Mr. Clarence E. Erickson, Jr., travelled to the Matt Warner Reservoir area July 18, 1960.

An immediate inspection of the area showed:

1. There was no water flowing in Beeler Creek, South Draw, or Dry Hollow.
2. The water surface of the reservoir, referenced to the reservoir gage, was at 8.33 ft. The water surface was then referenced to the bench mark scratched in a ledge of Uintah quartzite, marked BN No. 2 and a cross, was at an elevation of 90.42. The bench mark elevation, as on the plans drawn by Leon Christensen of 116.08 feet elevation was used.
3. A survey of the reservoir showed a surface area of 38.9 acres, with a maximum depth of 8.6 feet.
4. The outlet pipe was under water; but, by swimming and sounding its depth to the bottom of the pipe, it was determined to be 8.2 cfs below the water surface. The outlet was opened and

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Mr. Calder was withdrawing a flow of water equal to 4.5 gage height on the 4-foot rectangular weir, immediately below the reservoir or 3.93 cfs. Inspection of this same weir, the following morning, July 19, 1960, showed a discharge of 2.71. During this day, approximately noon, Mr. Calder opened the reservoir to a discharge of 3.93 cfs.

5. The Matt Warner Reservoir contained 120 acre-feet of water.
6. Reconnaissance of the Beeler Creek Area, showed the reservoirs were as close to the original survey as my memory permitted; but, time would not permit a more accurate determination. It was noted, that no reservoirs were at maximum capacity in this area, or the South Draw Area, or the Dry Hollow Area.
7. Crouse Reservoir had little water in it; but no estimation was attempted as to depth or to the amount therein.
8. Mr. Zelph Calder had cut a small field of hay between his granaries and was, at the time of our visit, running water across the road into a field of alfalfa, which he was pasturing off. We did not visit the area immediately north of Pot Creek belonging to Mr. Calder, but on the ground visited, there was little evidence of any appreciable amount of crops' loss, due to burning.
9. Mr. Clarence E. Erickson, Jr., visited the Bill Allen Ranch in Browns Park, on which Mr. Allen was just starting to hay. There was some evidence of burning on his bench land area.